

**Septic/BioCon/Settling Tank**  
2,550 GAL 3-Compartment Tank  
(15'0"L x 6'6"W x 6'1"H)

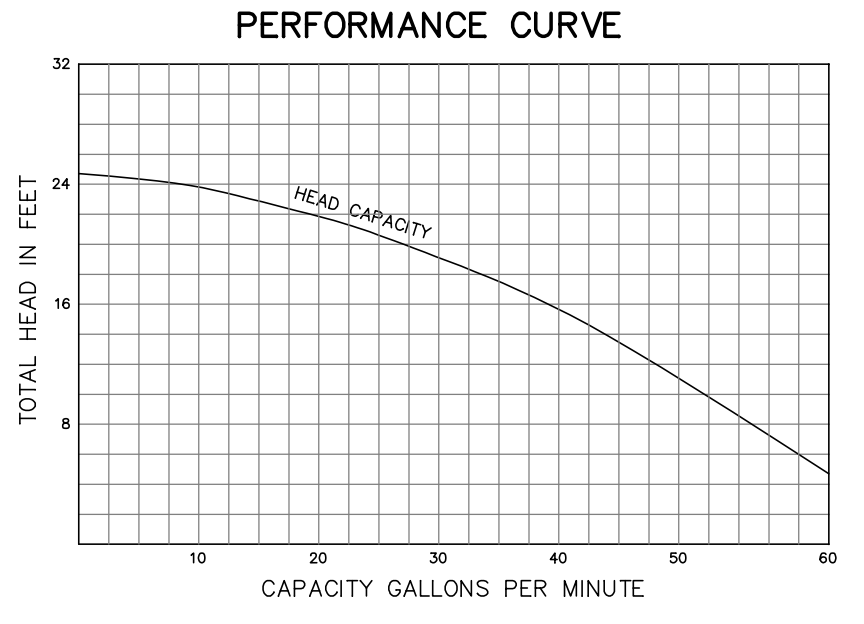
Pump Chamber  
by others

**PUMP SPECIFICATIONS**

MAKER: HYDROMATIC. SOLD BY ADVANCE PUMP & FILTER Co.  
MODEL: HYDROMATIC OSP33, SUBMERSIBLE EFFLUENT PUMP  
CAPACITY: 60 GPM, HEAD TO 25 FT, 5/8" SOLID HANDLING, 1/3 HP, 1 PH 115V

**DOSAGE RATE**

DESIGN FLOW	600	GPD
DOSAGE RATE	6	Times/Day
DOSAGE VOLUME	100	Gal/Dose
OPERATING TIME	1.8	Min/Dose
TOTAL HEAD	8.2	FT
PUMP CAPACITY	55	GPM



**WASTEWATER ALTERNATIVES INC. DESIGN NOTES**

- SUBSURFACE DISPOSAL SYSTEM IS BASED ON THE CLEAN SOLUTION<sup>SM</sup> MANUFACTURED BY WASTEWATER ALTERNATIVES, INC. CONCORD, NH.
- THE CLEAN SOLUTION SYSTEM<sup>SM</sup> IS SUPPLIED BY WASTEWATER ALTERNATIVES, INC (WAI), 1-866-900-2415.
- THIS SUBSURFACE DISPOSAL SYSTEM HAS BEEN DESIGNED UNDER NHDES Env-Ws 1024 INNOVATIVE / ALTERNATIVE TECHNOLOGY RULES APPROVED AT THE TIME OF THIS DESIGN.
- THE MINIMUM SIZE DISPERSAL FIELD FOR A 4-BEDROOM SINGLE FAMILY RESIDENCE WITH A 2 BEDROOM APARTMENT IS 200 SQUARE FEET. RECOMMENDED FIELD DIMENSIONS ARE 10' x 20'. DISPERSAL AREA IS ACTUAL FOOTPRINT WITHIN 5 FOOT FILL EXTENSIONS.
- THE CLEAN SOLUTION PROVIDED BY WAI TO INCLUDE:
  - BIOCON AND SETTLING TANKS. TANKS STANDARD DUTY (COVER LESS THAN 3'). CALL WAI FOR PRICE IF HEAVY DUTY OR H-20 COMPONENTS ARE REQUIRED. IF COVER EXCEEDS 3' OVER TOP OF TANK NOTIFY WAI.
  - AIR COMPRESSORS.
  - MEDIA.
  - PLASTIC RISERS AND COVERS. MAXIMUM HEIGHT PROVIDED BY WAI IS 24". FOR DEPTHS GREATER THAN 24", INSTALLER TO SUPPLY ADDITIONAL RISERS.
  - WAI AND THEIR REPRESENTATIVES SHALL PERFORM ALL INTERNAL PIPING IN THE BIOCON TANK AND SYSTEM STARTUP.
- INSTALLER SHALL FOLLOW THE CURRENT EDITION OF THE MANUFACTURERS GUIDELINES TO PREPARE SITE FOR INSTALLATION OF THE CLEAN SOLUTION SYSTEM AND SHALL PROVIDE THE FOLLOWING:
  - CONTRACTOR SHALL FOLLOW APPROVED DESIGN PLANS AND NHDES SUBSURFACE SYSTEM RULES.
  - CONTRACTOR TO SUPPLY NECESSARY SEPTIC TANKS AND GREASE TRAPS AS REQUIRED BY DESIGNER.
  - EXCAVATION OF ALL TANKS INCLUDING TANKS SUPPLIED BY WAI TO GRADES ESTABLISHED BY DESIGNER.
  - SETTING AND LEVELING OF ALL TANKS INCLUDING TANKS SUPPLIED BY WAI.
  - SERVICE CONNECTIONS FROM BUILDING TO SEPTIC TANK(S), SEPTIC TANK(S) TO BIOCON TANK(S), BIOCON TANK(S) TO SETTLING TANK(S), SETTLING TANK(S) TO DISPERSAL FIELD(S).
  - CONTRACTOR SHALL EXCAVATE FOR ALL AIR CONDUIT LINES FROM COMPRESSOR HOUSING TO BIOCON TANK(S).
  - CONTRACTOR TO WATER PLUG ALL TANK PENETRATIONS TO PREVENT GROUNDWATER LEAKS.
  - CONTRACTOR TO WATER PLUG ALL INLET AND OUTLETS NOT USED.
  - CONTRACTOR SHALL SET ALL RISERS TO GRADES ESTABLISHED BY DESIGNER. CONTRACTOR TO INSTALL ACCESS STACKS PER THE MANUFACTURERS INSTALLATION GUIDELINES. CONTRACTOR TO ENSURE THAT RUBBER GASKET O-RING IS IN PLACE PRIOR TO SECURING SECTIONS. ALL SCREW HOLES TO BE USED TO SECURE SECTIONS TO EACH OTHER.
  - CONTRACTOR TO BUILD / MODIFY DISPERSAL FIELD AS REQUIRED BY DESIGNER.
  - CONTRACTOR SHALL CALL NHDES AND LOCAL BOARD (IF REQUIRED) FOR SYSTEM INSPECTION.
  - CONTRACTOR TO PROVIDE OWNER WITH TIES FROM TWO FIXED POINTS TO ACCESS COVERS.
  - CONTRACTOR SHALL BACKFILL SYSTEM AFTER APPROVAL FOR OPERATION BY NHDES.
- THE OWNER/CONTRACTOR SHALL PROVIDE THE FOLLOWING:
  - OWNER/CONTRACTOR SHALL SUPPLY NECESSARY OUTLETS CAPABLE OF 1 AMP - 115 VOLTS FOR EACH COMPRESSOR THE CIRCUIT PROVIDED SHALL NOT BE GFI PROTECTED.
  - COMPRESSOR HOUSING TO BE SUPPLIED BY OWNER / CONTRACTOR.
  - COMPRESSOR(S) LOCATION TO BE MUTUALLY DETERMINED BY OWNER / REPRESENTATIVE AND WAI.
  - MAXIMUM DISTANCE FROM COMPRESSOR(S) TO BIOCON TANK IS 50'. FOR DISTANCES GREATER THAN 50' CONTACT WAI.
- REQUIRED MAINTENANCE BY OWNER:
  - SIGN SYSTEM MAINTENANCE AGREEMENT FOR THE CLEAN SOLUTION SYSTEM.
  - SEPTIC TANK(S) AND SETTLING TANK(S) TO BE PUMPED OUT EVERY 2 YEARS.
  - BIOCON TANK(S) TO BE INSPECTED EVERY 2 YEARS BY APPROVED WAI TECHNICIAN.
  - OWNER SHALL KEEP ALL PUMPING RECORDS.
  - FAILURE TO COMPLY WITH ??- ??ABOVE WILL VOID WARRANTY OF THE CLEAN SOLUTION SYSTEM AND WAI.

**EASEMENT TABLE**

LINE	BEARING	DISTANCE
L1	S 46°11'22" E	30.00'
L2	N 38°58'42" E	166.36'
L3	N 08°31'28" E	55.04'
L4	N 30°24'04" W	65.61'
L5	N 46°36'06" E	30.00'
L6	N 30°24'04" W	81.31'
L7	N 08°31'28" E	107.70'
L8	S 45°28'26" W	34.45'

**SOIL COVER & REQUIRED TANK RATING**  
STANDARD DUTY TANK: 0'-2' MAX.  
HEAVY DUTY TANK: 2'-4.9' MAX.  
H-20 LOAD TANK: 5' OR GREATER

SCALE: 1 inch = 20 feet  
  
 JANUARY 4, 2011  
 CAD FILE: 10108-Septic

NEW HAMPSHIRE  
 Designer  
 of  
 Subsurface Disposal  
 Systems  
 \*\*\*  
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 No. 1377  
 W. of Supply & Pollution Control

**ATLANTIC**  
SURVEY COMPANY

PREPARED BY: SURVEYORS  
ENGINEERS  
PLANNERS

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**Model 250ST-R4 CLEAN SOLUTION**

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